RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:
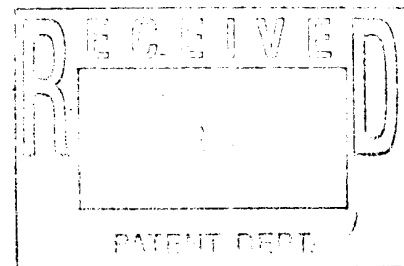
Application Serial Number: _____09/901,996_____

Source: _____OIPE_____

Date Processed by STIC: _____7/25/2001_____

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/901,996

DATE: 07/25/2001
TIME: 14:11:53

pp 1-3

Input Set : A:\BMID 9809US.ST25.txt
Output Set: N:\CRF3\07252001\I901996.raw

Does Not Comply
Corrected Diskette Needed

```
 3 <110> APPLICANT: Dwulet, Francis
 4         McCarthy, Robert
 5         Balgobin, Neil
 7 <120> TITLE OF INVENTION: ENZYME/TAG BINDING AND DETECTION SYSTEM
 9 <130> FILE REFERENCE: BMID 9809US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/901,996
C--> 11 <141> CURRENT FILING DATE: 2001-07-10
11 <160> NUMBER OF SEQ ID NOS: 13
13 <170> SOFTWARE: PatentIn version 3.0
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 10
17 <212> TYPE: PRT
18 <213> ORGANISM: mammalian
20 <220> FEATURE:
21 <221> NAME/KEY: misc_feature
22 <222> LOCATION: (4)..(4)
23 <223> OTHER INFORMATION: the nucleotide at this position can be lysine or arginine
26 <220> FEATURE:
27 <221> NAME/KEY: misc_feature
28 <222> LOCATION: (5)..(5)
29 <223> OTHER INFORMATION: the nucleotide at this position can be glycine or alanine
32 <220> FEATURE:
33 <221> NAME/KEY: misc_feature
34 <222> LOCATION: (6)..(6)
35 <223> OTHER INFORMATION: the nucleotide at this position can be arginine, glycine or
```

This is an amino acid sequence.

serin *Serine*

```
39 <400> SEQUENCE: 1
W--> 41 Gly Pro Cys Xaa Xaa Xaa Phe Ile Arg Tyr
42 1               5                   10
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 11
46 <212> TYPE: PRT
47 <213> ORGANISM: mammalian
49 <220> FEATURE:
50 <221> NAME/KEY: misc_feature
51 <222> LOCATION: (1)..(1)
52 <223> OTHER INFORMATION: the nucleotide at this position can be asparagine or glycine
55 <220> FEATURE:
56 <221> NAME/KEY: misc_feature
57 <222> LOCATION: (4)..(4)
58 <223> OTHER INFORMATION: the nucleotide at this position can be proline or threonine
61 <220> FEATURE:
62 <221> NAME/KEY: misc_feature
63 <222> LOCATION: (5)..(5)
64 <223> OTHER INFORMATION: the nucleotide at this position can be lysine or arginine
67 <220> FEATURE:
68 <221> NAME/KEY: misc_feature
69 <222> LOCATION: (8)..(8)
```

7/25/01

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/901,996

DATE: 07/25/2001
TIME: 14:11:53

Input Set : A:\BMID 9809US.ST25.txt
Output Set: N:\CRF3\07252001\I901996.raw

```
        70 <223> OTHER INFORMATION: the nucleotide at this position can be asparagine or
aspartate
        73 <400> SEQUENCE: 2
W--> 75 Xaa Gly Cys Xaa Xaa Ile Tyr Xaa Pro Val Cys
        76 1               5                  10
        78 <210> SEQ ID NO: 3
        79 <211> LENGTH: 9
        80 <212> TYPE: PRT
        81 <213> ORGANISM: snake venom
        83 <220> FEATURE:
        84 <221> NAME/KEY: misc_feature
        85 <222> LOCATION: (2)..(2)
        86 <223> OTHER INFORMATION: the nucleotide at this position can be arginine or leucine
        89 <400> SEQUENCE: 3
W--> 91 Gly Xaa Cys Lys Ala His Ile Pro Arg
        92 1               5
        94 <210> SEQ ID NO: 4
        95 <211> LENGTH: 9
        96 <212> TYPE: PRT
        97 <213> ORGANISM: plant protease inhibitors
        99 <220> FEATURE:
       100 <221> NAME/KEY: misc_feature
       101 <222> LOCATION: (1)..(1)
       102 <223> OTHER INFORMATION: the nucleotide at this position can be arginine or proline
       105 <220> FEATURE:
       106 <221> NAME/KEY: misc_feature
       107 <222> LOCATION: (2)..(2)
       108 <223> OTHER INFORMATION: the nucleotide at this position can be leucine or proline
       111 <220> FEATURE:
       112 <221> NAME/KEY: misc_feature
       113 <222> LOCATION: (4)..(4)
       114 <223> OTHER INFORMATION: the nucleotide at this position can be isoleucine or serine
       117 <220> FEATURE:
       118 <221> NAME/KEY: misc_feature
       119 <222> LOCATION: (5)..(5)
       120 <223> OTHER INFORMATION: the nucleotide at this position can be threonine or arginine
       123 <400> SEQUENCE: 4
W--> 125 Xaa Xaa Arg Xaa Xaa Phe Ile Pro Asp
       126 1               5
       128 <210> SEQ ID NO: 5
       129 <211> LENGTH: 11
       130 <212> TYPE: PRT
       131 <213> ORGANISM: plant protease inhibitors
       133 <220> FEATURE:
       134 <221> NAME/KEY: misc_feature
       135 <222> LOCATION: (5)..(5)
       136 <223> OTHER INFORMATION: the nucleotide at this position can be lysine or arginine
       139 <400> SEQUENCE: 5
W--> 141 Cys Ile Cys Thr Xaa Ser Ile Pro Pro Gln Cys
       142 1               5                  10
```

7/25/01

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/901,996

DATE: 07/25/2001
TIME: 14:11:53

Input Set : A:\BMID 9809US.ST25.txt
Output Set: N:\CRF3\07252001\I901996.raw

```
144 <210> SEQ ID NO: 6
145 <211> LENGTH: 10
146 <212> TYPE: PRT
147 <213> ORGANISM: bird egg white trypsin inhibitors
149 <220> FEATURE:
150 <221> NAME/KEY: misc_feature
151 <222> LOCATION: (4)..(4)
152 <223> OTHER INFORMATION: the nucleotide at this position can be lysine or arginine
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <222> LOCATION: (7)..(7)
158 <223> OTHER INFORMATION: the nucleotide at this position can be serine or lysine
161 <400> SEQUENCE: 6
163 Val Ala Cys Xaa Ile Leu Xaa Pro Val Cys
164 1                 5                   10

166 <210> SEQ ID NO: 7
167 <211> LENGTH: 10
168 <212> TYPE: PRT
169 <213> ORGANISM: bovine basic pancreatic trypsin inhibitor
171 <400> SEQUENCE: 7
173 Gly Pro Ser Lys Ala Arg Ile Ile Arg Tyr
174 1                 5                   10

176 <210> SEQ ID NO: 8
177 <211> LENGTH: 10
178 <212> TYPE: PRT
179 <213> ORGANISM: Soybean Kunitz protease inhibitor
181 <400> SEQUENCE: 8
183 Ser Pro Tyr Arg Ile Arg Phe Ile Ala Glu
184 1                 5                   10

186 <210> SEQ ID NO: 9
187 <211> LENGTH: 10
188 <212> TYPE: PRT
189 <213> ORGANISM: Soybean Bowman-Birk protease inhibitor
191 <400> SEQUENCE: 9
193 Ala Ser Thr Lys Ser Asn Pro Pro Gln Ser
194 1                 5                   10

196 <210> SEQ ID NO: 10
197 <211> LENGTH: 10
198 <212> TYPE: PRT
199 <213> ORGANISM: Sand Viper venom protease inhibitor
201 <400> SEQUENCE: 10
203 Gly Arg Ser Lys Ala His Ile Pro Arg Phe
204 1                 5                   10

206 <210> SEQ ID NO: 11
207 <211> LENGTH: 10
208 <212> TYPE: PRT
209 <213> ORGANISM: Bovine secretory protease
211 <400> SEQUENCE: 11
213 Gly Ser Pro Arg Ile Tyr Asn Pro Val Ser
```

W-->

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/901,996

DATE: 07/25/2001
TIME: 14:11:53

Input Set : A:\BMID 9809US.ST25.txt
Output Set: N:\CRF3\07252001\I901996.raw

```
                                        10
214 1                  5
216 <210> SEQ ID NO: 12
217 <211> LENGTH: 10
218 <212> TYPE: PRT
219 <213> ORGANISM: Chicken ovomucoid domain 3 protease
221 <400> SEQUENCE: 12
223 Val Ala Ser Arg Ile Leu Ser Pro Val Ser
224 1                  5                    10
226 <210> SEQ ID NO: 13
227 <211> LENGTH: 10
228 <212> TYPE: PRT
229 <213> ORGANISM: Chicken ovomucoid domain 4 protease
231 <400> SEQUENCE: 13
233 Val Ala Ser Arg Ile Leu Leu Pro Val Ser
234 1                  5                    10
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/901,996

DATE: 07/25/2001
TIME: 14:11:54

Input Set : A:\BMID 9809US.ST25.txt
Output Set: N:\CRF3\07252001\I901996.raw

```
L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
```